







MassGIS Protected & Recreation OpenSpace Schema

Phase I. Moving OpenSpace from Librarian coverage tiles to SDE GeoDatabase. Chapter 61 land has been explicitly separated from OpenSpace, but participates in the new "rules-based" topology. The new schema also utilizes domains for attribute validation.

Geodatabase Summary

 Feature Dataset OpenSpace	Feature Dataset containing the features classes and topology for OpenSpace.
 Polygon feature class OPENSOURCE_POLY	Polygons representing land considered to be protected or recreation OpenSpace.
 Polygon feature class CHAPTER61_POLY	Polygons representing land participating in the Chapter 61 program with the local Assessor.
 Line feature class OS_ARC	Arcs representing the boundary of all polygons (OS & Ch61).
 Topology Feature OPENSOURCE_Topology	Topology applied to all above Feature Classes.
 Table OSNAMES	List of abbreviations used in OpenSpace.

Geodatabase:

\\sun420.env.state.ma.us\GISDATA.sde

Date generated:

Friday, June 11, 2004

Versions:

SDE.DEFAULT
...SCOSTELLO.OS_DBA
...<EDITOR1>.OS_EDITOR
...<EDITOR2>.OS_EDITOR
...Etc...

Topology Feature OPENSOURCE_Topology		
Feature Class	Rule	Feature Class
CHAPTER61_POLY	Must Not Overlap	
OPENSOURCE_POLY	Must Not Overlap	
OPENSOURCE_POLY	Must Not Overlap With	CHAPTER61_POLY
CHAPTER61_POLY	Boundary Must Be Covered By	OPENSOURCE_ARC
OPENSOURCE_ARC	Must Not Overlap	
OPENSOURCE_ARC	Must Be Single Part	
OPENSOURCE_ARC	Must Not Have Dangles	
OPENSOURCE_ARC	Must Not Self-Intersect	

Rules implemented by feature dataset topology.

Geodatabase Detail

Simple feature class CHAPTER61_POLY									
		Geometry		Polygon					
		Contains M values		No					
		Contains Z values		No					
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length		
OBJECTID	Object ID								
Shape	Geometry	Yes							
TOWN_ID	Short Integer	No		Town_ID1	3				
POLY_ID	Long Integer	No			5				
LOC_ID	String	Yes					15		
FEE_OWNER	String	No					100		
ABRV_FEE_OWNER	String	Yes					20		
TYPE_FEE_OWNER	String	No		OS_Type			1		
MANAGER	String	Yes					100		
ABRV_MANAGER	String	Yes					20		
TYPE_MANAGER	String	Yes		OS_Type			1		
OTHER_1	String	Yes					20		
ABRV_OTHER_1	String	Yes					20		
INT_1	String	Yes		OS_Interest_Type			1		
TYPE_1	String	Yes		OS_Type			120		
SITE_NAME	String	Yes					10		
GIS_ACRES	Double	No	0				10		
ASSESS_ACRES	Double	No	0				10		
DEED_ACRES	Double	No	0				10		
PROJ_ID1	String	Yes					20		
CAL_DATE_REC	Date	Yes					8		
PRIMARY_PURP	String	No		OS_Primary_Purpose			1		
PUB_ACCESS	String	No	N	OS_Public_Access			1		
CH61_PROG	String	No		OS_Chapter61			1		
DOR_CODE	Short Integer	Yes		OS_DOR_Class			3		
OS_DEED_BOOK	Long Integer	Yes					5		
OS_DEED_PAGE	Long Integer	Yes					10		
ASSESS_MAP	String	Yes					10		
ASSESS_BLOCK	String	Yes					10		
ASSESS_LOT	String	Yes					10		
ASSESS_SUBLOT	String	Yes					10		
BASE_MAP	String	Yes					50		
SOURCE_MAP	String	Yes		OS_Source			10		
SOURCE_TYPE	String	No					255		
COMMENTS	String	Yes					0		
ATT_DATE	Date	Yes					8		
CH61_ID	String	No					9		
Shape_Length	Double	Yes					0		
Shape_Area	Double	Yes					0		

Feature class of all land participating in Chapter 61 Tax Relief Program

Unique code identifying the MA Town the polygon resides within.
Unique code within a town to tag each polygon.
Link to MassGIS Standard Parcel data (LOC_ID).
Owner of the land represented by the polygon (Pays taxes).
Abbreviation of FEE_OWNER kept in OSNAMES table.
Code specifying the classification of FEE_OWNER.
Manager of the property (only if different from FEE_OWNER).
Abbreviation of MANAGER kept in OSNAMES table.
Code specifying the classification of MANAGER.
Entity holding INT_1 on the property.
Abbreviation of OTHER_1 kept in OSNAMES table.
Code specifying the type of interest held by OTHER_1.
Code specifying the classification of OTHER_1.
Name of the site (May span multiple polygons).
Acreage of polygon as calculated by GIS.
Acreage of polygon according to local assessor.
Acreage of polygon as recorded in deed.
ID code for parcel (state use only).
Date last alteration to deed was recorded.
Code for why the land was protected/improved.
Code for legal (not physical) level of public access to parcel.
Code for type of Chapter 61 program parcel uses.
Use code for Chapter 61 land as determined by DOR.
The book that the deed was recorded in on CAL_DATE_REC.
The page of OS_DEED_BOOK that the deed was recorded in.
Local Assessor's Map.
Local Assessor's Block.
Local Assessor's Lot.
Local Assessor's Sublot.
Recompilation map name/type.
Source map used to enter linework/attributes.
Code for type of data source.
Any further explanatory comment.
Date attributes were last modified.
Unique ID for feature class ([TOWN_ID][POLY_ID]).

Coded value domain OS_Arc_Code		
Description		
Field type	Short Integer	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
0	Unknown	
1	Town Boundary	
2	Road	
3	Streambank	
4	Lake Shoreline	
5	Coastline	
6	Railroad Line	
7	Road or Railroad Right-of-Way	
8	Utility Right-of-Way	
9	Unsure if coincident	

Coded value domain OS_Interest_Type		
Description		
Field type	String	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
CR	Conservation Restriction	
APR	Agricultural Preservation Restriction	
CAPR	Conservation / Agricultural Preservation Restriction	
AQR	Aquifer Protection	
HPR	Historic Preservation Restriction	
EASE	Easement (Official Restriction Only)	
WR	Watershed Restriction	
WRP	Wetlands Restriction Program	
ROW	Right-of-Way	
LH	Lease Holding	
DR	Deed Restriction	
LIC	License	

Coded value domain OS_ArcSym		
Description		
Field type	String	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
61	Chapter61_Poly Arc	
B	Both	
OS	OpenSpace_Poly Arc	

Coded value domain OS_Level_Protection		
Description		
Field type	String	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
P	Perpetuity	
T	Term Limited	
L	Limited	
N	None	
X	Unknown	

Coded value domain OS_Chapter61		
Description		
Field type	String	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
Y	Chapter 61 - Forestry	
A	Chapter 61 - Agriculture	
F	Chapter 61 - Forestry	
B	Chapter 61 - Recreation	

Coded value domain OS_Primary_Purpose		
Description		
Field type	String	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
A	Agriculture	
B	Recreation and Conservation	
C	Conservation	
F	Flood Control	
H	Historical/Cultural	
O	Other	
Q	Habitat	
R	Recreation	
S	Scenic (Official Designation Only)	
U	Underwater	
W	Water Supply	
X	Unknown	

Coded value domain OS_DOR_Class		
Description		
Field type	Long Integer	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
601	Forestry	
710	Cherry/Bog	
711	Tobacco Soil	
712	Truck Crops	
713	Field Crops	
714	Orchards	
715	Grape Vineyards	
716	Tillable Forage Cropland	
717	Productive Woodland	
718	Pasture	
719	Nurseries	
720	Related Farm Land	
722	Non-arable Farm Land	
801	Hiking	
802	Camping	
803	Nature Study	
804	Boating	
805	Golfing	
806	Equestrian	
807	Hunting	
808	Fishing	
809	Alpine Skiing	
810	Nordic Skiing	
811	Swimming Areas	
812	Picnic Areas	
813	Gliding/Hang-gliding	
814	Target Shooting	

Coded value domain OS_Projects		
Description		
Field type	String	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
SH	Self Help	
USH	Urban Self Help	
LWCF	Land and Water Conservation Fund	
CPA	Community Preservation Act	
SURF	Strategic Urban Recreation Facilities	
CP	Conservation Partnership	
ALA	Aquifer Land Acquisition	
DWSP	Drinking Water Supply Protection	

Coded value domain OS_Source		
Description		
Field type	String	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
V	Volunteer on 25K base	
AS	GeoReferenced Assessor's Map	
RP	GeoReferenced Plan	
NP	Digital Parcels (non-standard)	
P1	Digital Parcels - Level I	
P2	Digital Parcels - Level II	
P3	Digital Parcels - Level III	
O	1/2 meter Orthomage	
OO	Other Orthomage	
GS	USGS Topo	
GP	GPS Survey	
SV	Survey	
CS	COGO from survey	
CD	COGO from deed	
DD	Deed Description	
OM	Other Map (See Comments field)	
MHD_TWNBNBND	Legislated Massachusetts Town Boundary	
X	Unknown	

Coded value domain OS_Public_Access		
Description		
Field type	String	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
Y	Full Public Access	
N	No Public Access	
L	Limited Public Access	
X	Unknown	

Coded value domain Town_ID1		
Description		
Field type	Short Integer	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
1	Town of Abington	
2	Town of Acton	
3	Town of Acushnet	
4	Town of Adams	
:	:	
348	City of Worcester	
349	Town of Worthington	
350	Town of Wrentham	
351	Town of Yarmouth	

Coded value domain OS_Type		
Description		
Field type	String	
Split policy	Default value	
Merge policy	Default value	
Code	Description	
F	Federal	
S	State	
C	County	
M	Municipal	
B	Public Non-Profit	
L	Land Trust	
G	Conservation Organization	
N	Private Non-Profit	
P	Private	
O	Other	
I	Inholding	
1	State vs. State Dispute	
2	State vs. Non-Profit Dispute	
3	State vs. Municipality Dispute	
4	State vs. Private Dispute	

Coded
